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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:)
Dirk van den Boom et al.) Examiner: Samuel Woolwine
) Art Unit: 1637
) Conf. No. 4199
Appln. No.: 10/723,365)
Filed: November 26, 2003))
For: FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION DETECTION AND DISCOVERY)))

AMENDMENT AND RESPONSE UNDER 37 CFR 1.111

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Responsive to the Office Action mailed March 8, 2006, consideration and entry of the following amendment and remarks are respectfully requested. It is respectfully submitted that entry of this amendment should place the application in condition for allowance.

This submission is timely filed on September 8, 2006, with a Petition for Extension of Time and three month extension fee.

Careful consideration has been given to the Examiner's comments in the March 8, 2006 Office Action, and the following amendments and remarks are offered in response. It is respectfully submitted that entry of this amendment should place the application in condition for allowance, or alternatively, reduce the number of issues for appeal. Consideration respectfully is requested.

CERTIFICATE OF TRANSMISSION/MAILING UNDER 37 CFR 1.8

The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail No. EQ741091331US in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 8th day of September, 2006.

Sheryl R. Silverstein

Septembr 7,2006

Date